EPODOC "8/3856860

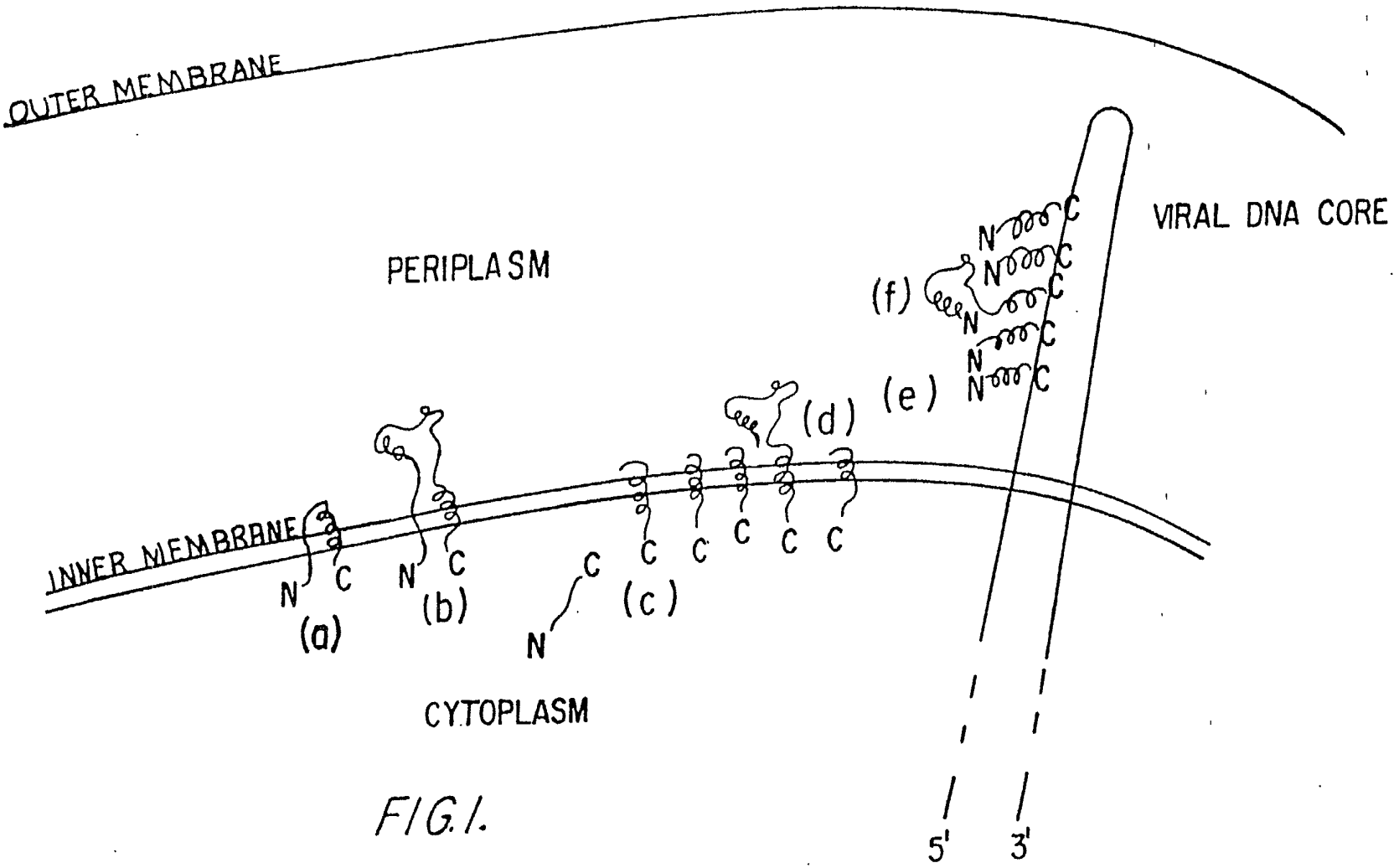


FIG. 1.

EPO/OEB * 92/98 65 60

FIG. 2.

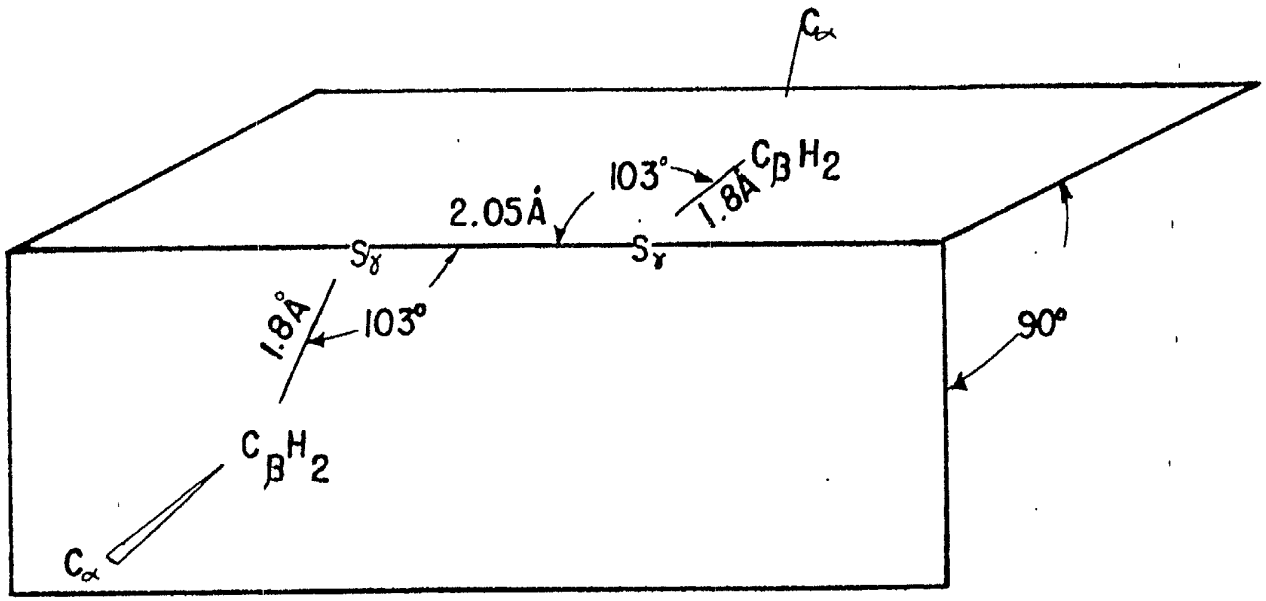
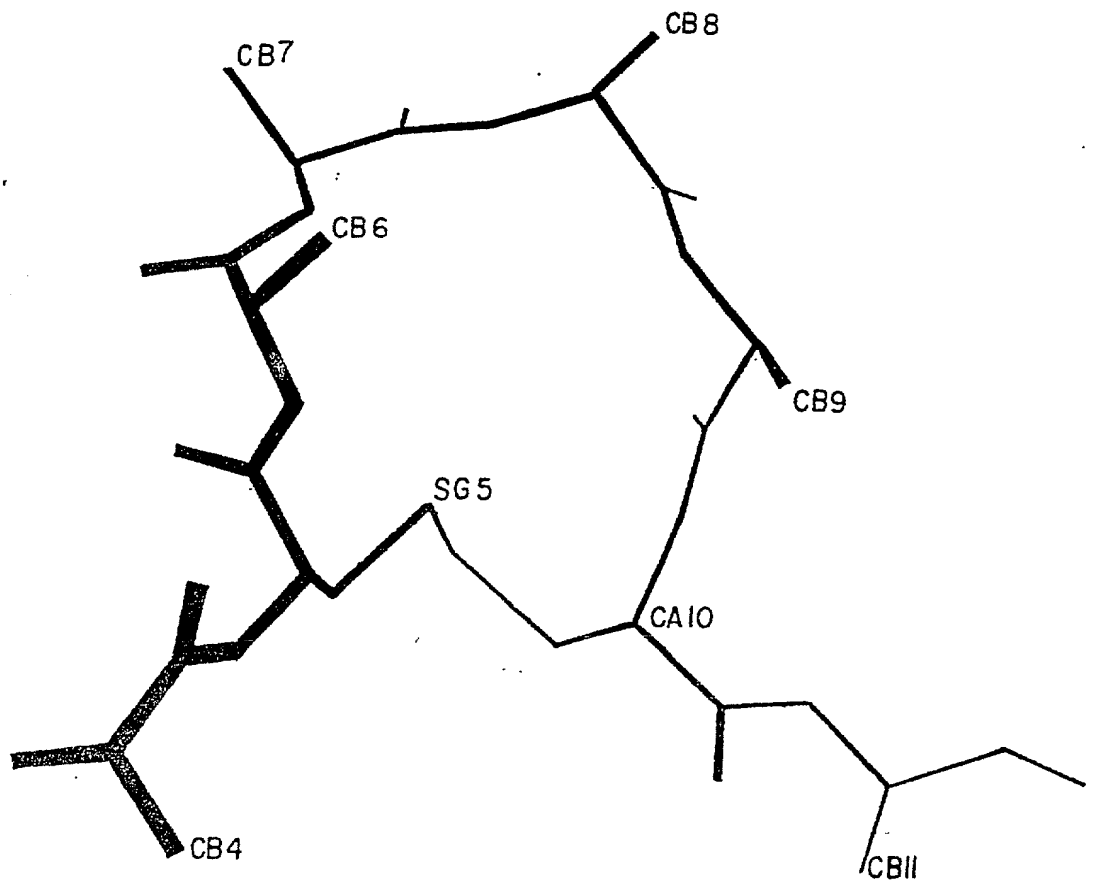


FIG. 3.



PATENT 8,288,960

FIG 4

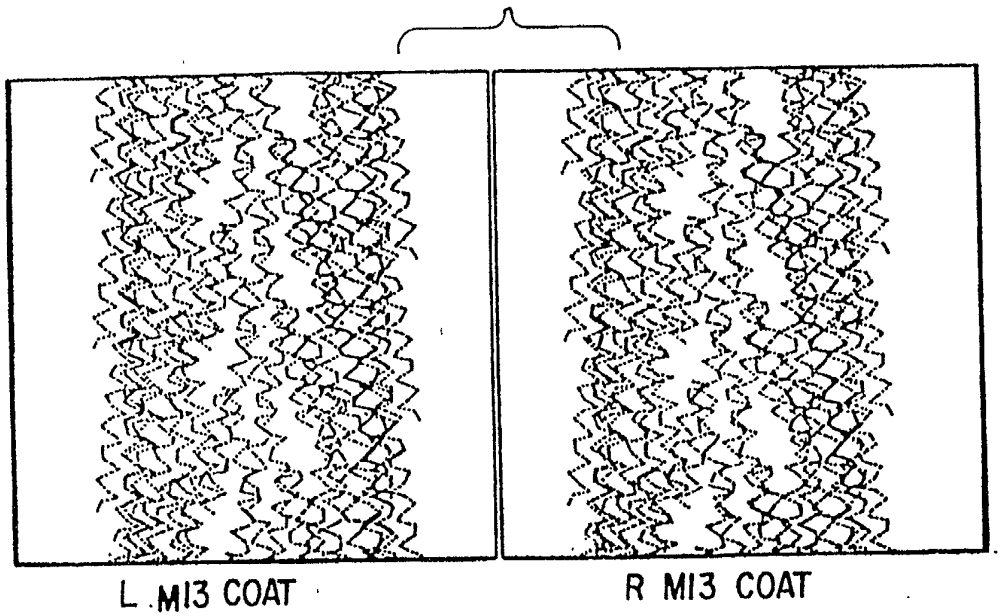


FIG. 5.

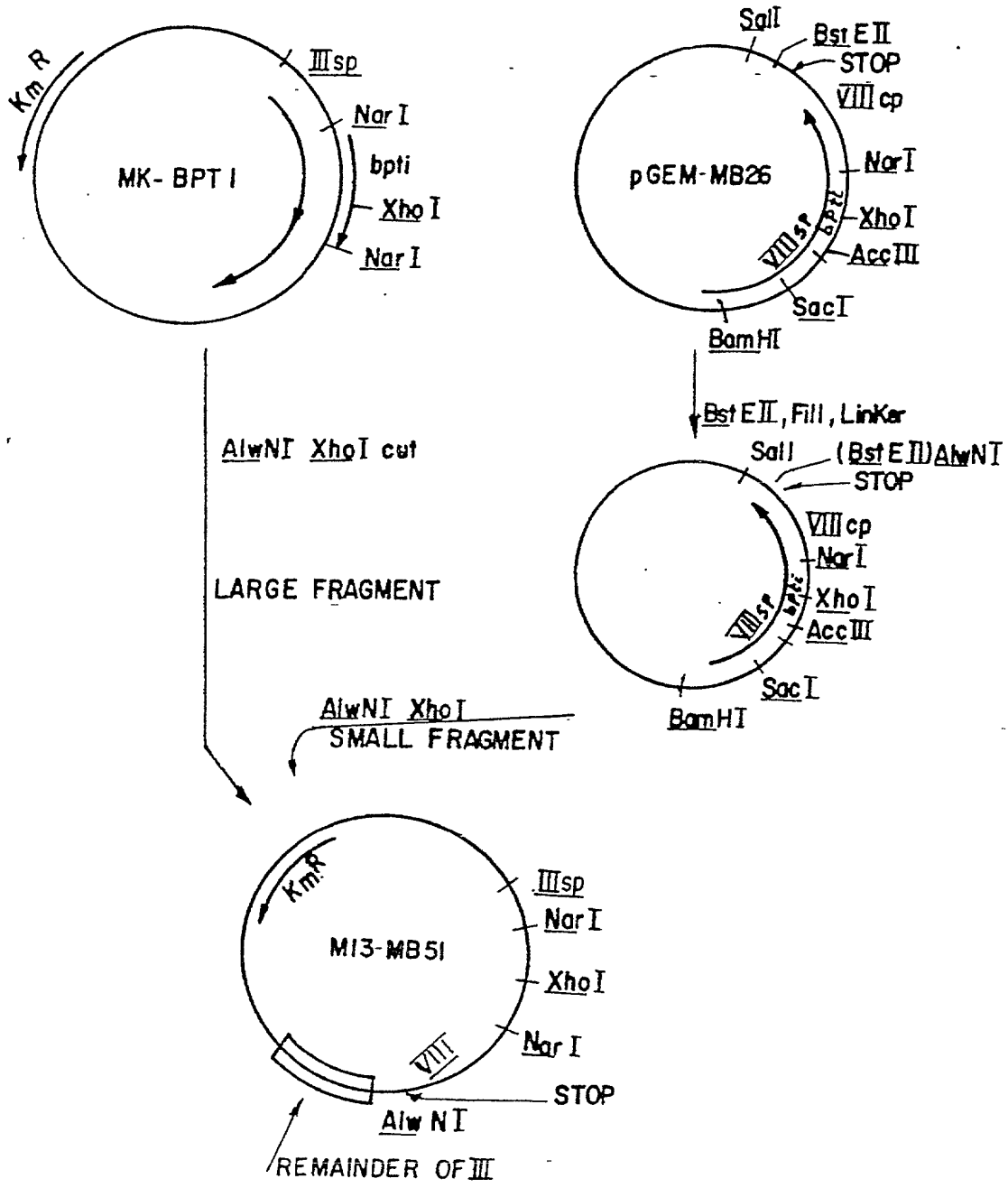

Km R
III sp
Nar I
bpti
Xho I
Nar I
MK- BPT I
Sal I
Bst E II
STOP
VIII cp
Nar I
Xho I
Acc III
Sac I
BamHI
pGEM-MB26
VIII sp
bpti
Bst E II, Fill, Link er
Sal I
(Bst E II) Alw NI
STOP
VIII cp
Nar I
Xho I
Acc III
Sac I
BamHI
VIII sp
bpti
Alw NI Xho I cut
LARGE FRAGMENT
Alw NI Xho I
SMALL FRAGMENT
Km R
III sp
Nar I
Xho I
Nar I
STOP
Alw NI
M13-MB51
VIII
REMAINDER OF III

FIG. 6.

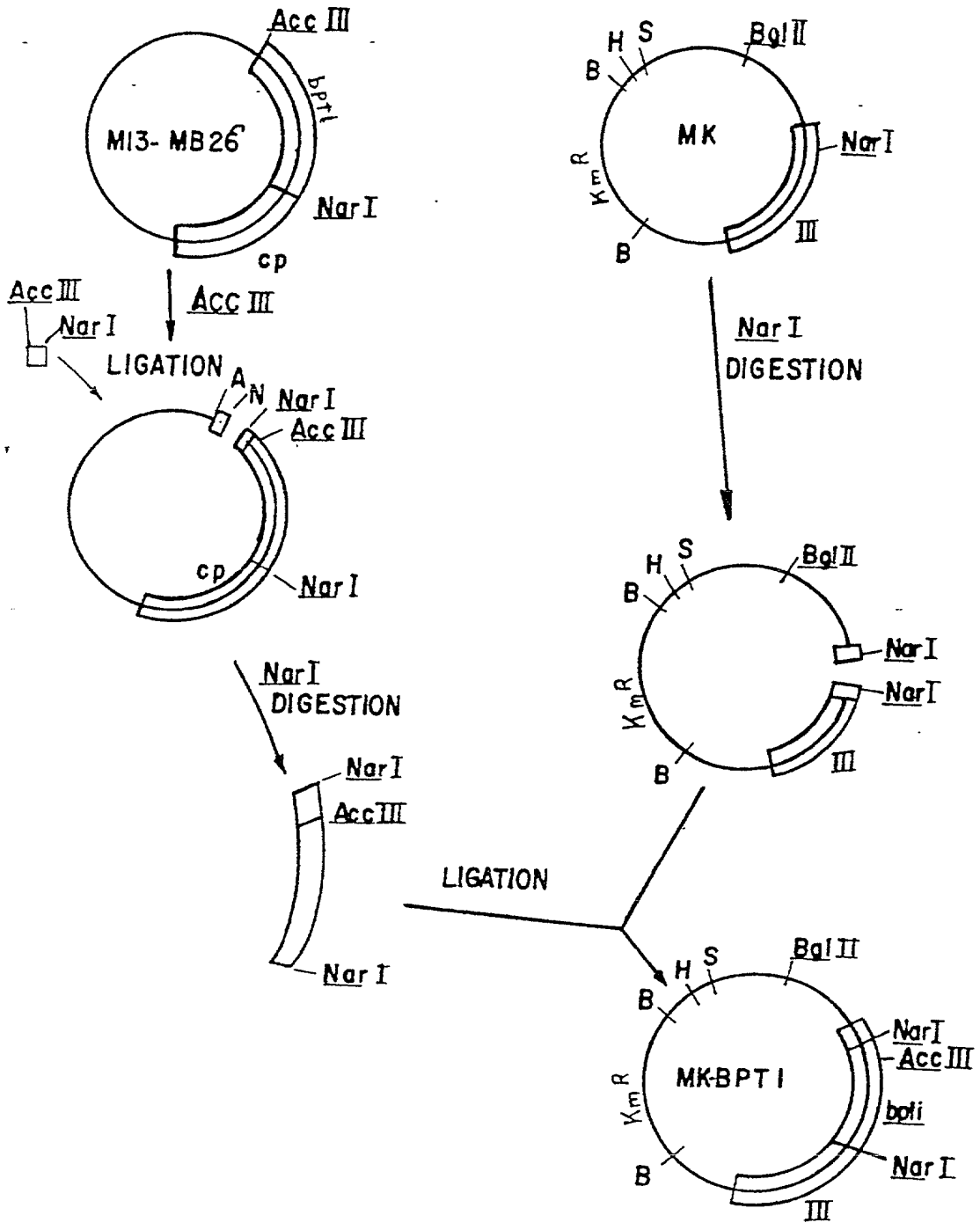

Acc III
bpti
MI3- MB26
Nar I
cp
Acc III
Nar I
LIGATION
A
N
Nar I
Acc III
cp
Nar I
Nar I
DIGESTION
Nar I
Acc III
Nar I
H
S
Bgl II
B
MK
Nar I
Km R
III
B
Nar I
DIGESTION
H
S
Bgl II
B
Nar I
Nar I
Km R
III
B
LIGATION
H
S
Bgl II
B
Nar I
Acc III
MK-BPT I
Km R
bpti
B
Nar I
III

FIG.7

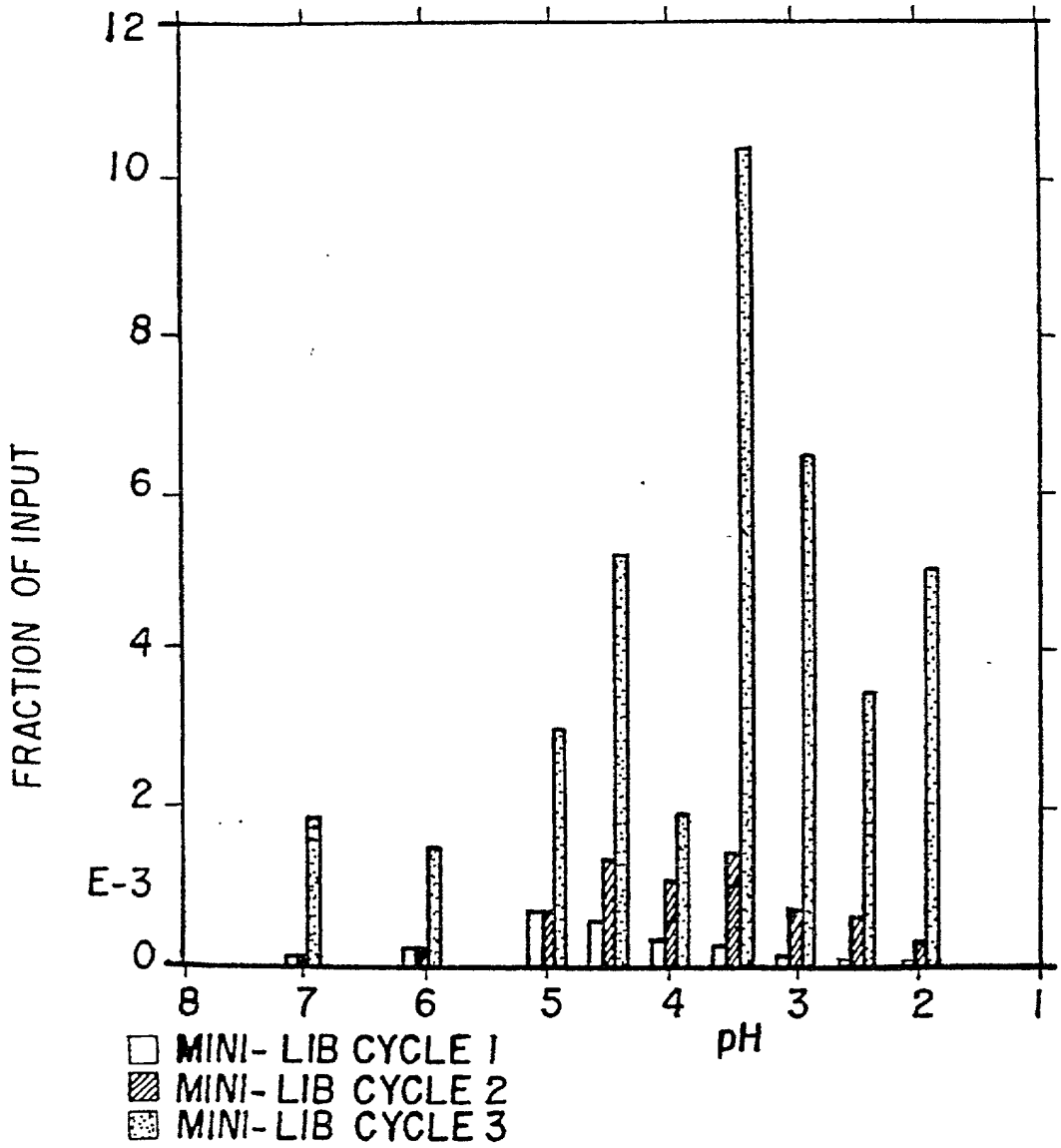

12
10
8
6
4
2
E-3
0
FRACTION OF INPUT
8
7
6
5
4
3
2
1
pH
MINI-LIB CYCLE 1
MINI-LIB CYCLE 2
MINI-LIB CYCLE 3

FIG. 8.

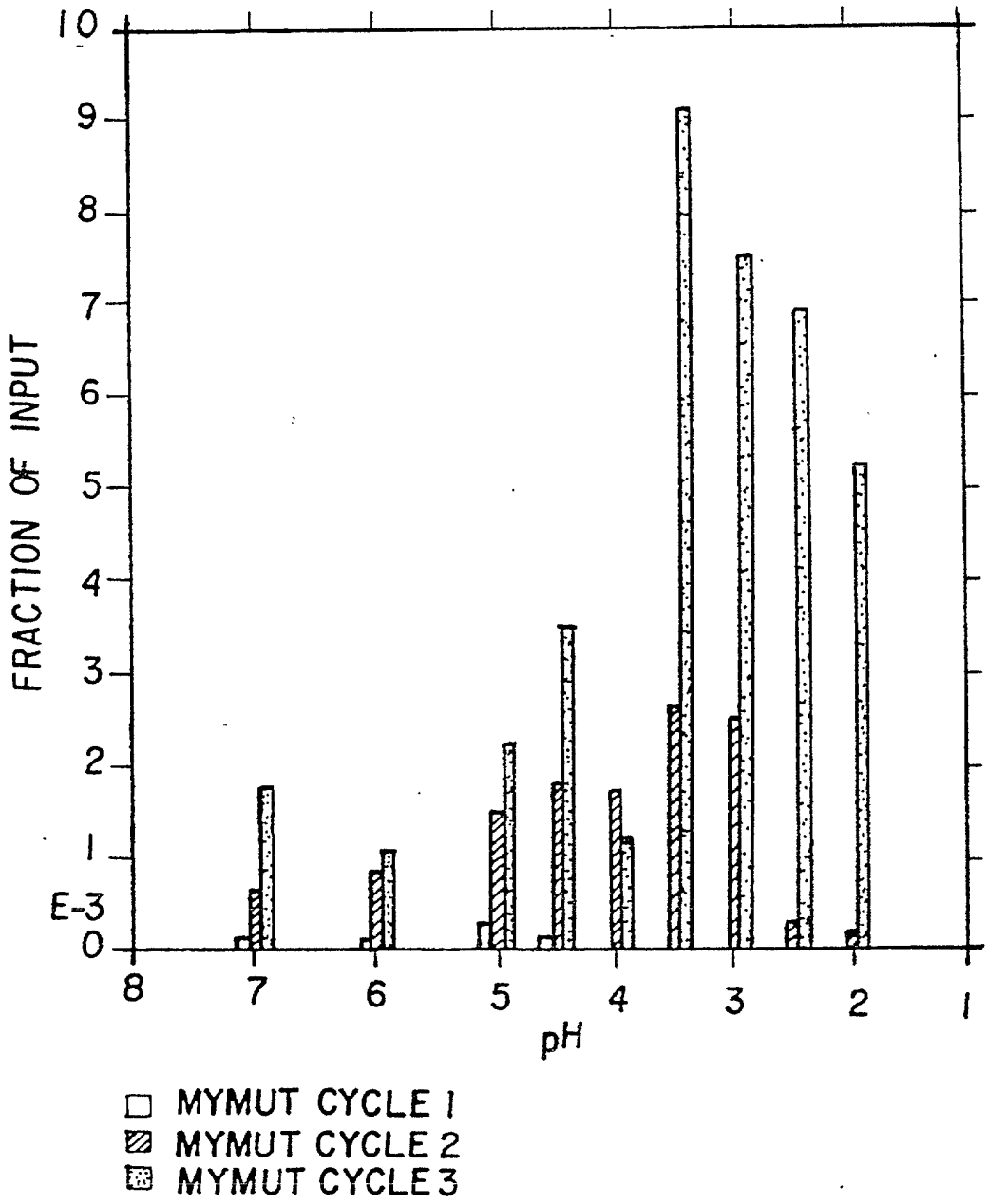
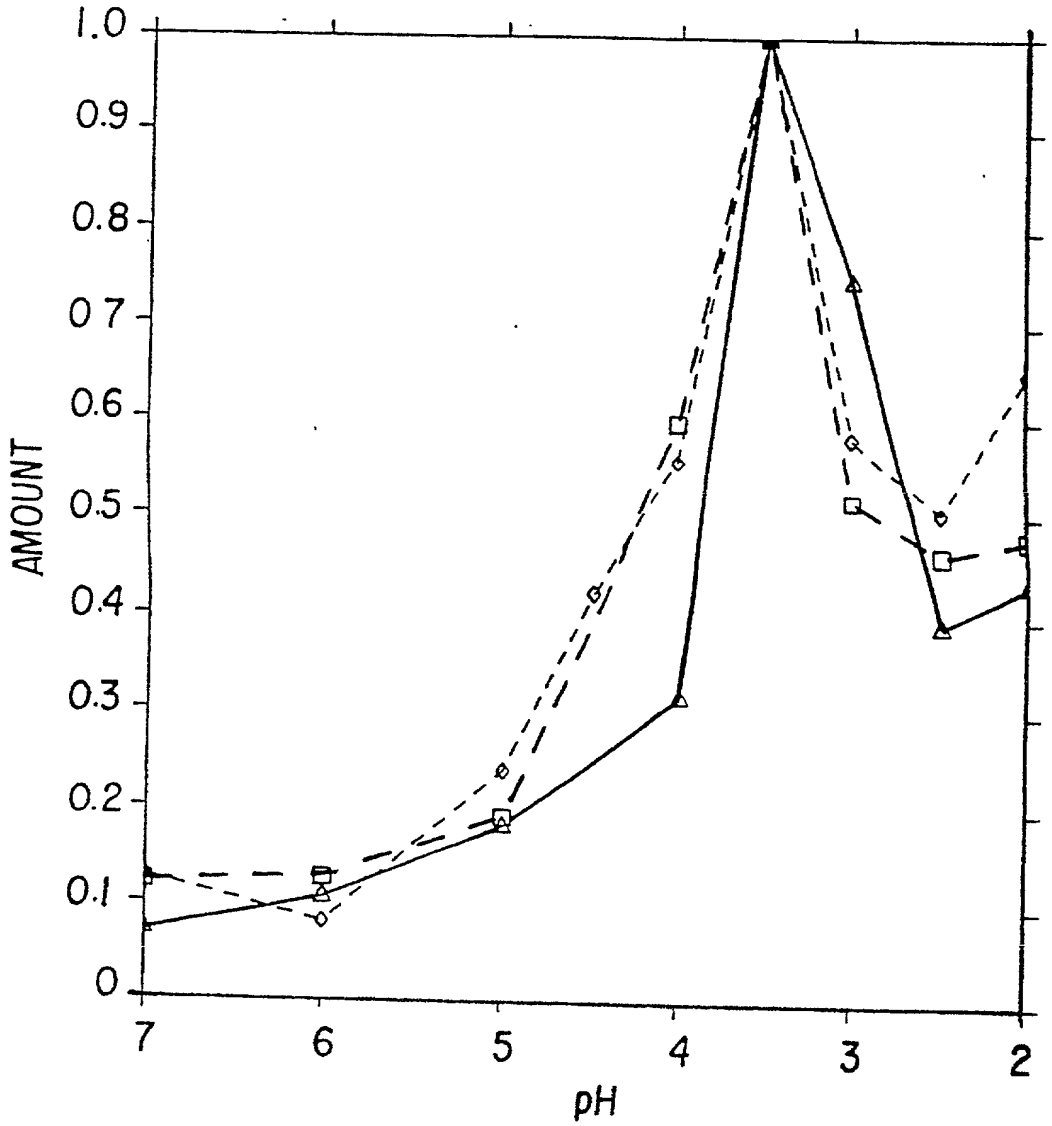

FRACTION OF INPUT
10
9
8
7
6
5
4
3
2
1
E-3
0
8
7
6
5
4
3
2
1
pH
MYMUT CYCLE 1
MYMUT CYCLE 2
MYMUT CYCLE 3

FIG. 9.



EPINE 1
EPINE 3
EPINE 7

FIG. 10.

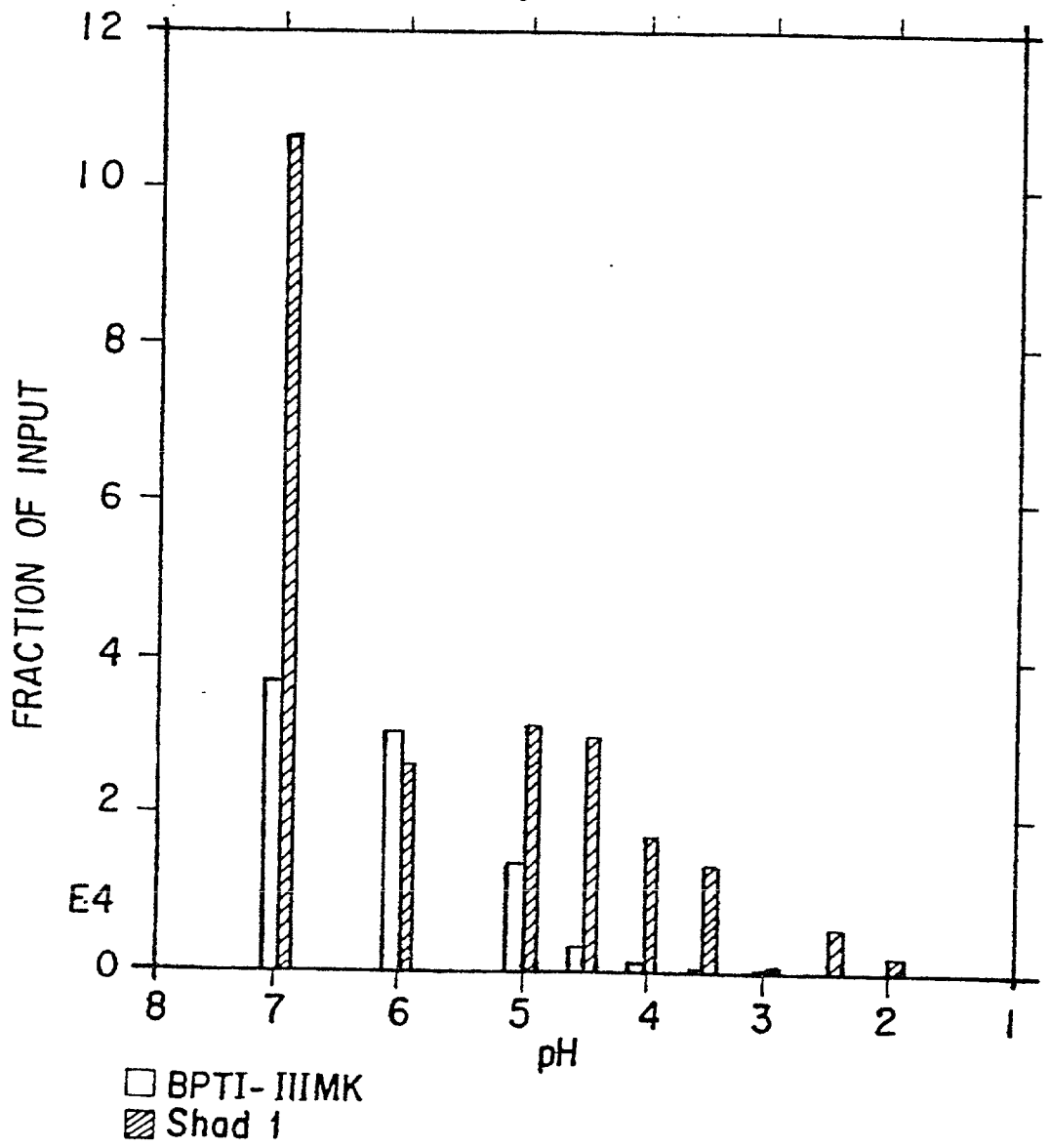

12
10
8
6
4
2
0
E4
FRACTION OF INPUT
8
7
6
5
4
3
2
1
pH
BPTI-IIIMK
Shad 1

FIG 11

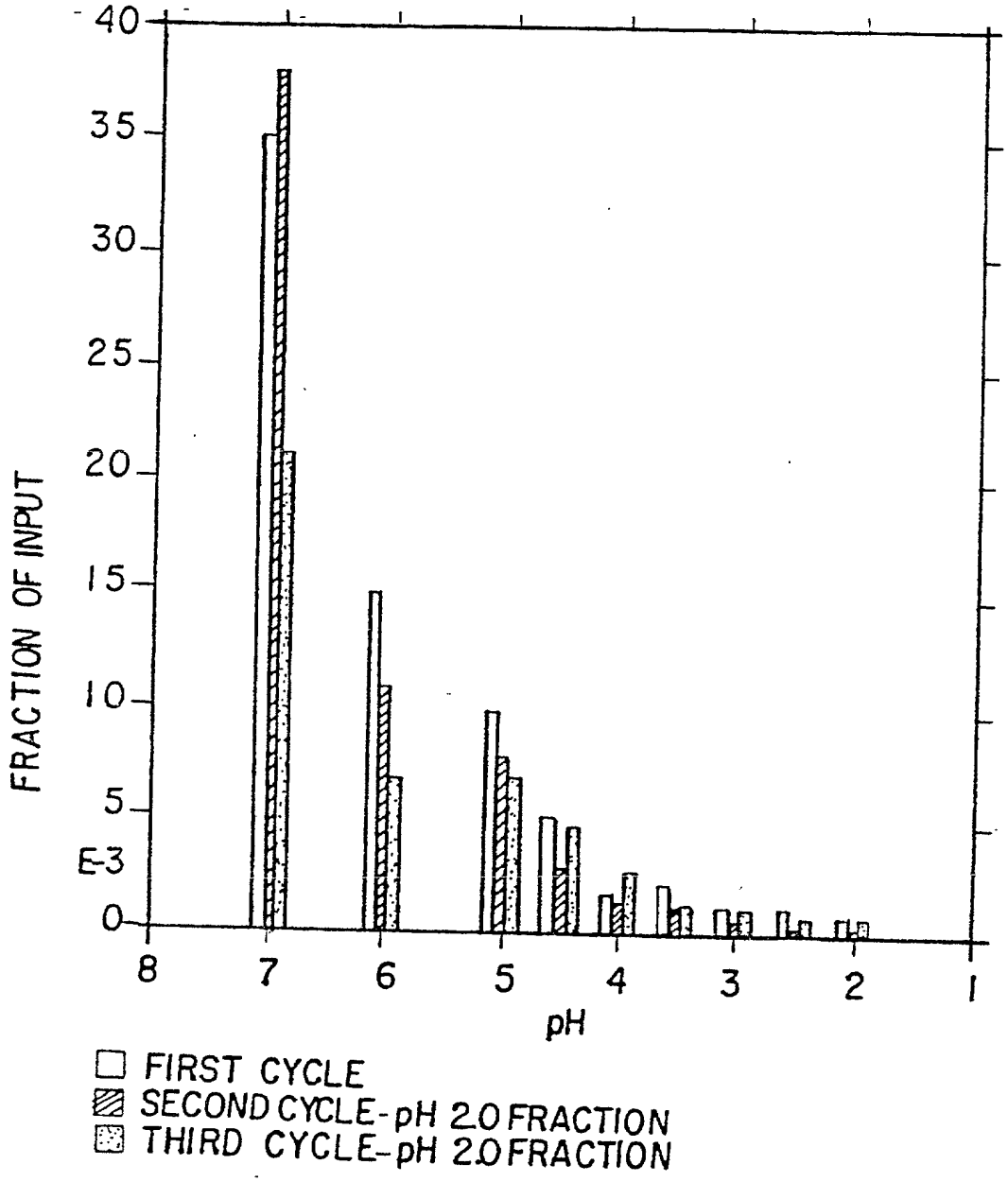

40
35
30
25
20
15
10
5
E-3
0
FRACTION OF INPUT
8
7
6
5
4
3
2
1
pH
FIRST CYCLE
SECOND CYCLE-pH 2.0 FRACTION
THIRD CYCLE-pH 2.0 FRACTION

FIG. 12.

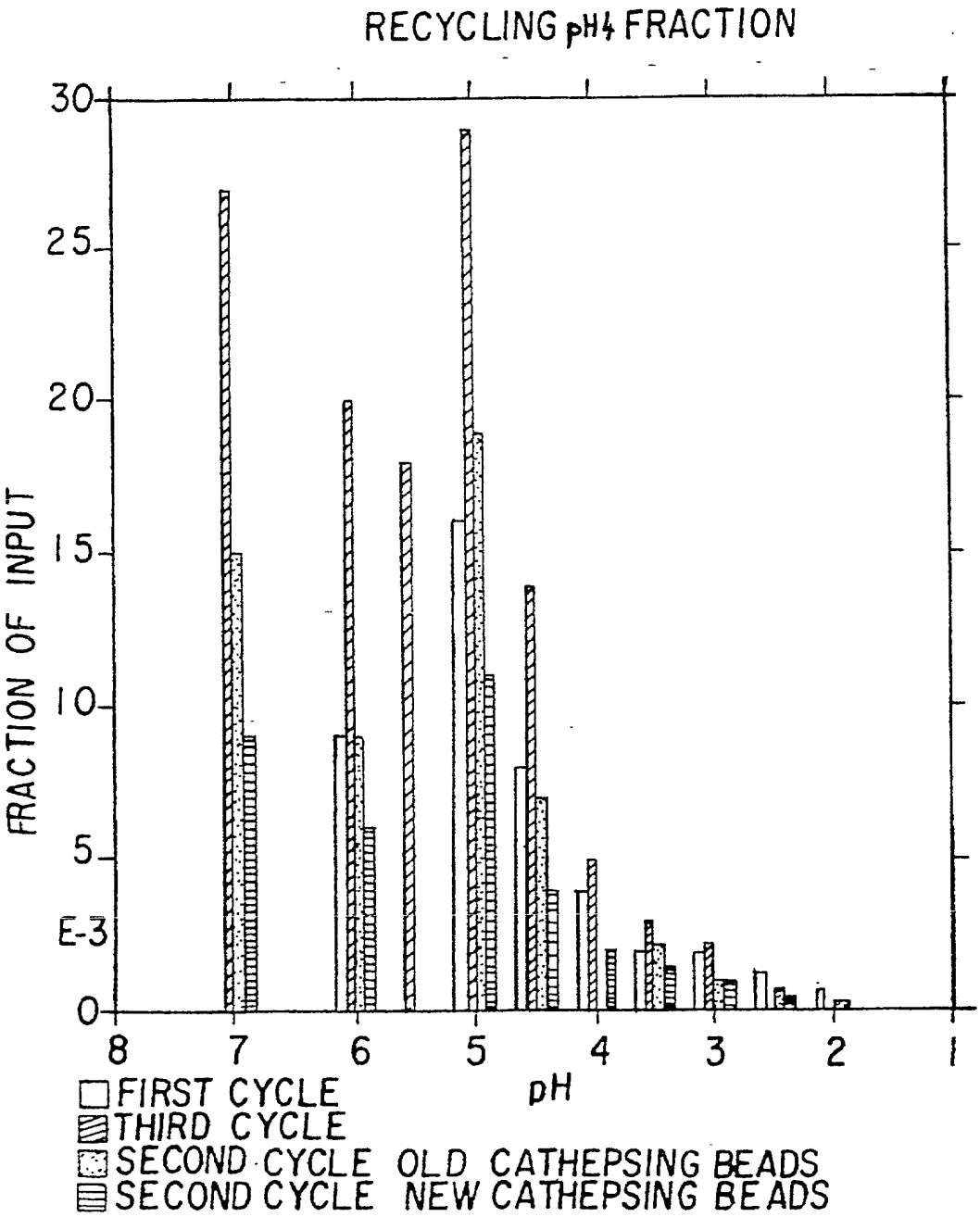
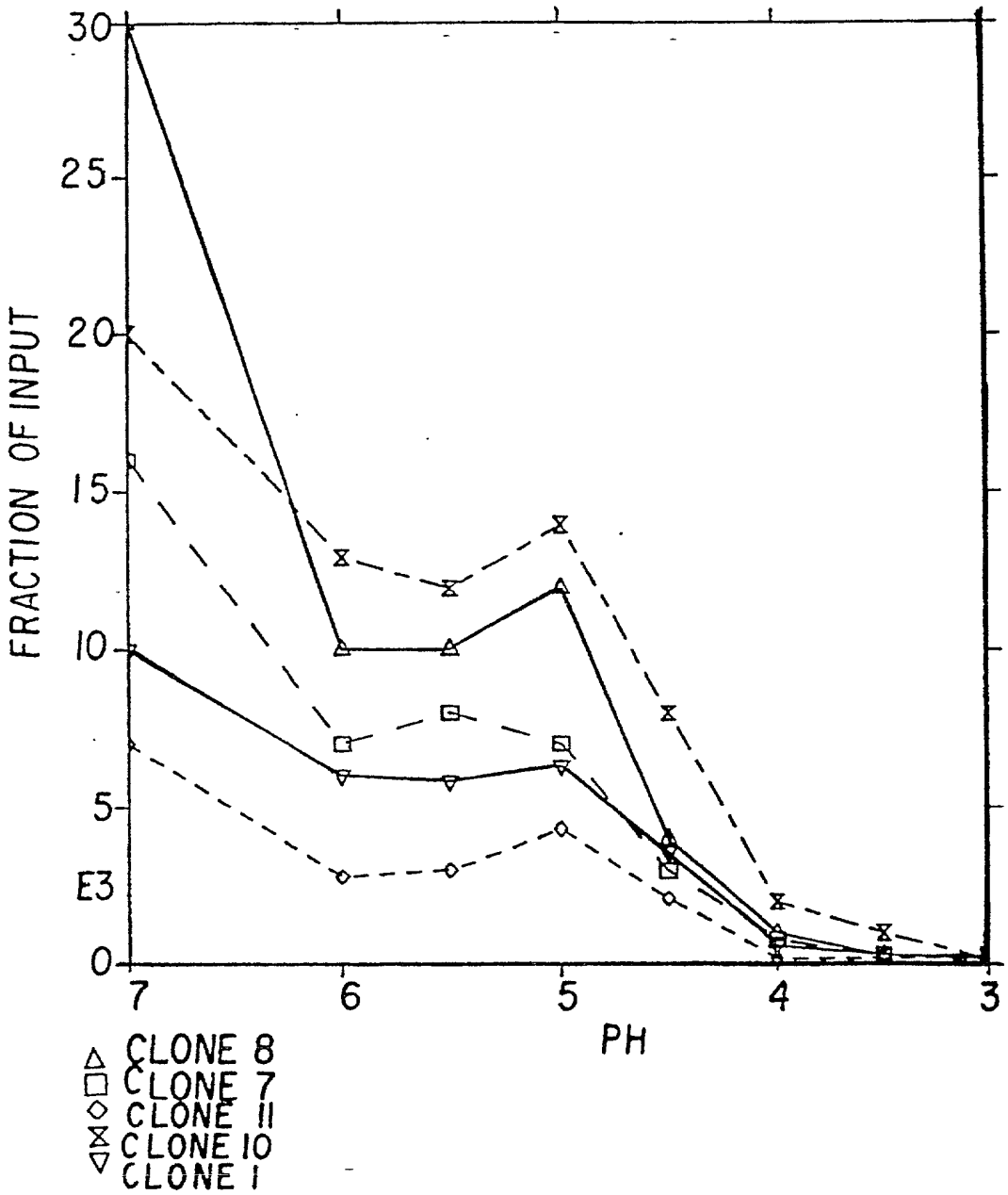

RECYCLING pH4 FRACTION
FRACTION OF INPUT
30
25
20
15
10
5
E-3
0
8
7
6
5
4
3
2
1
pH
FIRST CYCLE
THIRD CYCLE
SECOND CYCLE OLD CATHEPSING BEADS
SECOND CYCLE NEW CATHEPSING BEADS

FIG. 13.


30
25
20
15
10
5
E3
0
FRACTION OF INPUT
7
6
5
4
3
PH
CLONE 8
CLONE 7
CLONE 11
CLONE 10
CLONE 1

FOIPOT" 9/8868860

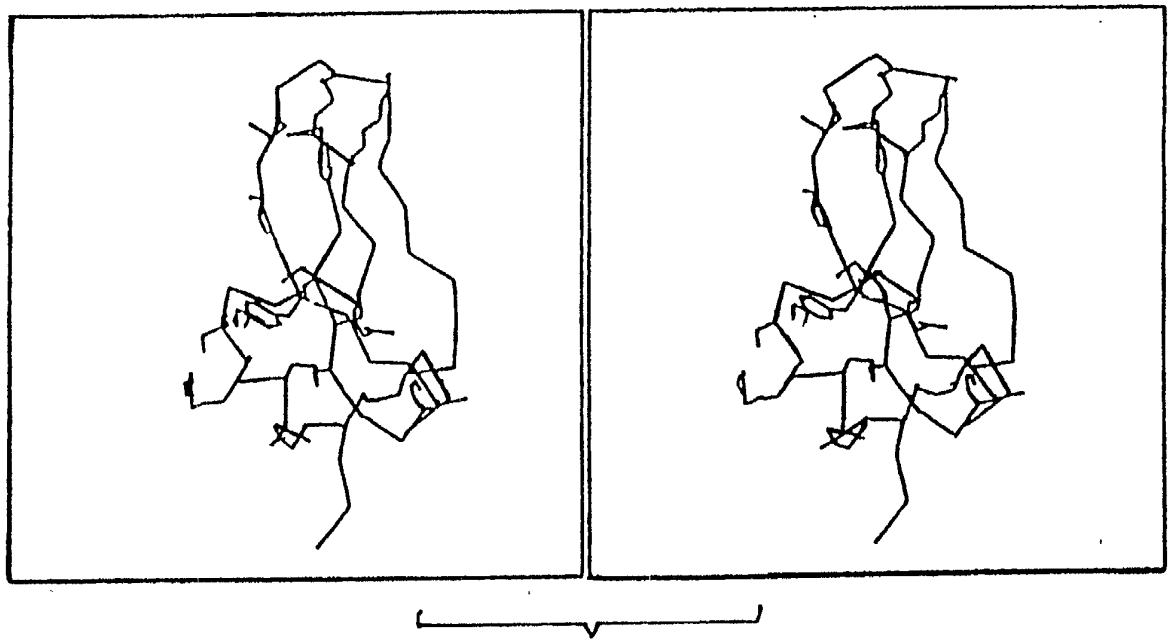


FIG. 14.

FIG. 15.

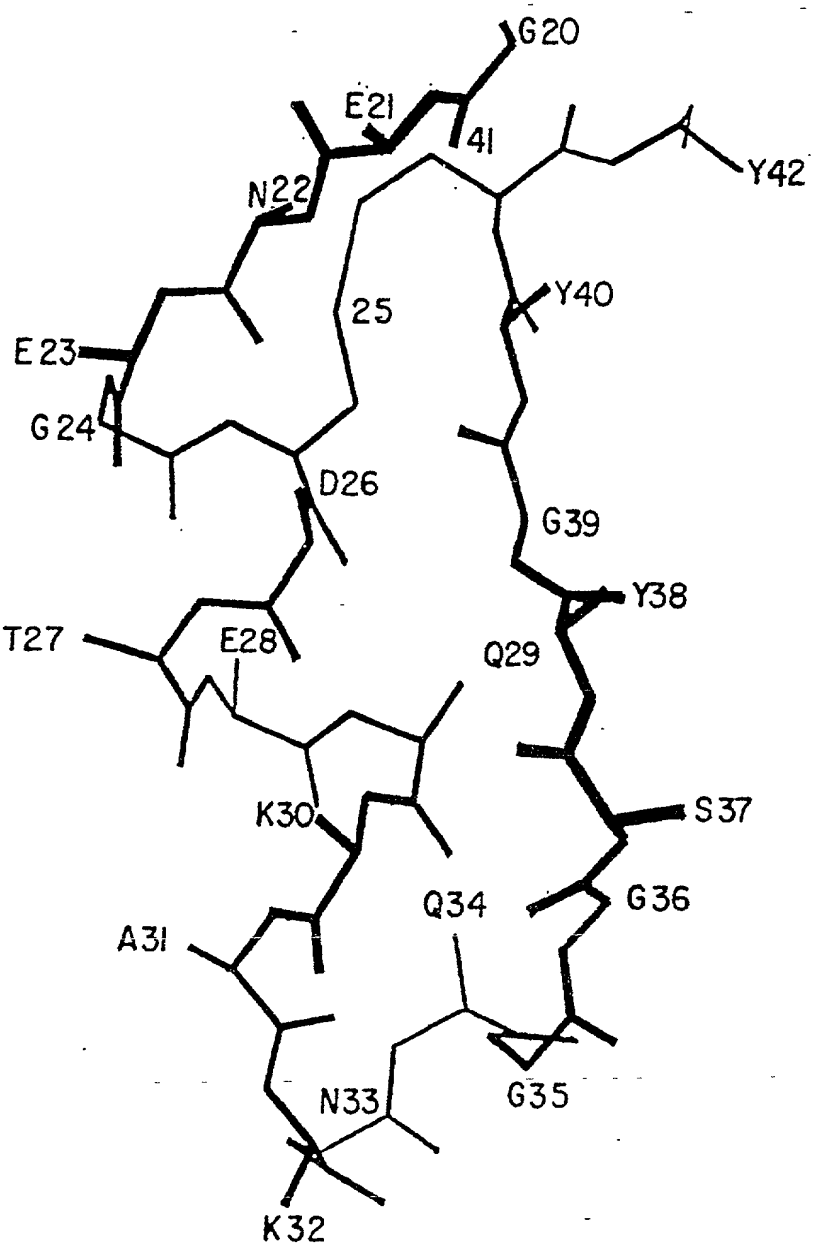
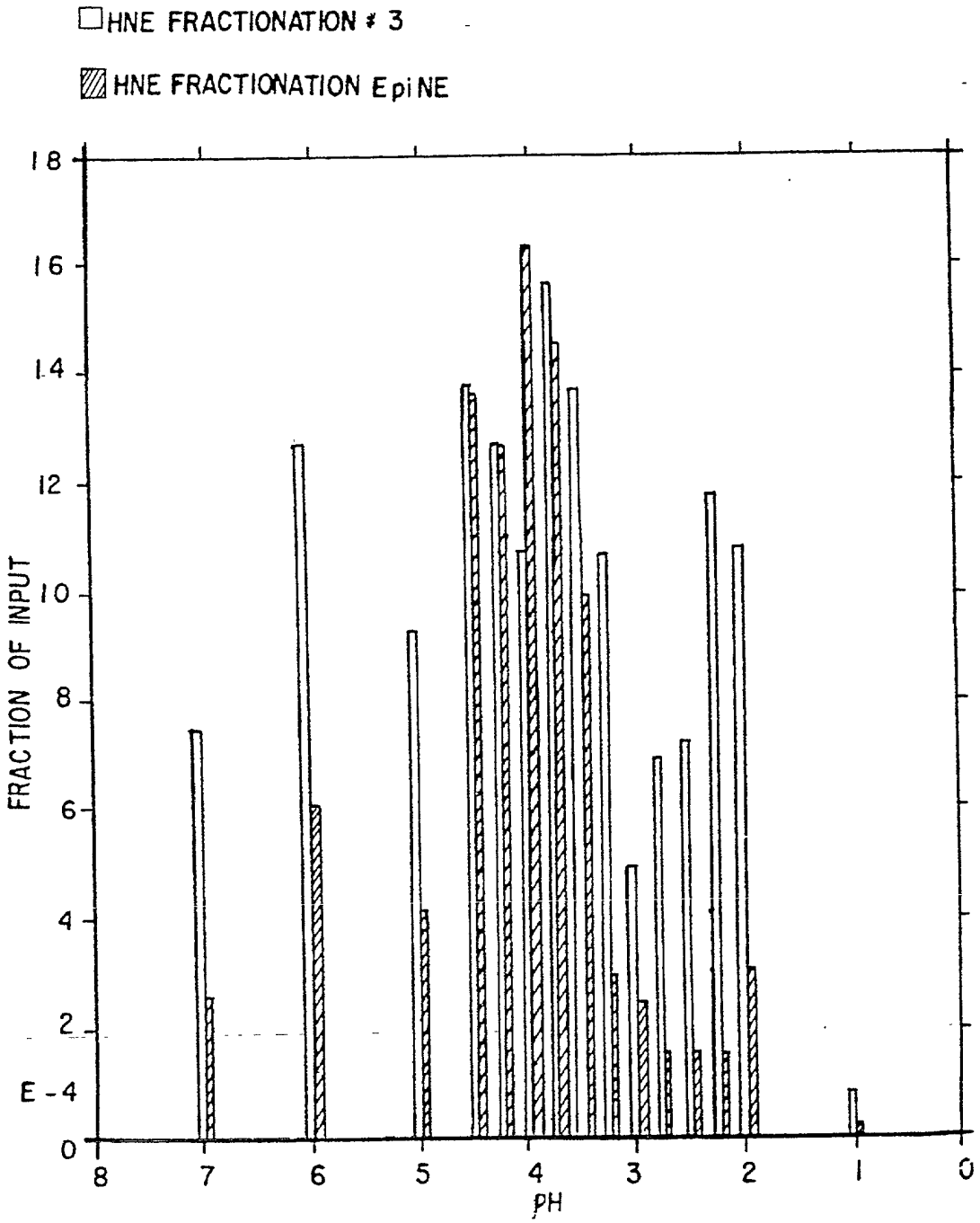

G20
E21
41
Y42
N22
25
Y40
E23
G24
D26
G39
Y38
T27
E28
Q29
S37
K30
G36
Q34
A31
N33
G35
K32

FIG 16


HNE FRACTIONATION # 3
HNE FRACTIONATION EpiNE
FRACTION OF INPUT
E-4
18
16
14
12
10
8
6
4
2
0
8
7
6
5
4
3
2
1
0
pH